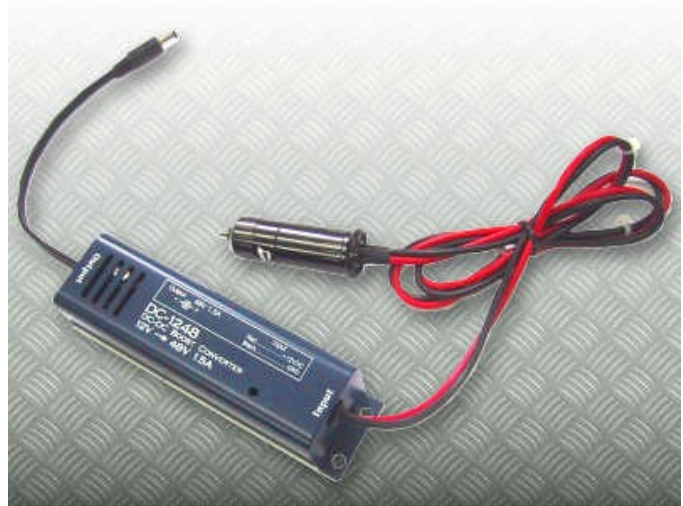


# DC-1248 & DC-2448 BOOST DC-DC CONVERTER

## **FEATURES**

- Switch-mode technology (25KHz)
- Design for 48V equipment use on vehicles
- High efficiency
- Good load and line regulations
- Wide input voltage range
- Input polarity protect, input voltage drop-out, output over-voltage, and output current limit
- Input cigarette plug and output 5.5mm/2.5mm dc plug for easy connection



## **SPECIFICATIONS**

Model	DC-1248	DC-2448
Input Voltage Range	10 – 15VDC	20 – 30VDC
Nominal Input Voltage	12V DC	24V DC
Output Voltage	48V DC $\pm$ 0.3V	48V DC $\pm$ 0.3V
Continuous Output Current	1.5A	1.5A
Line Regulation	0.5%	0.5%
Load Regulation	1%	1%
Output Ripple Noise	250mVpp	250mVpp
Efficiency	Over 85%	Over 85%
Input Fuse	10A	5A
Input Polarity Protect	Yes	Yes
Input Low Voltage Drop Out	9.5V $\pm$ 5%	19V $\pm$ 5%
Output Over Voltage Protect	52V $\pm$ 5%	52V $\pm$ 5%
Output Current Limit	2A $\pm$ 10%	2A $\pm$ 10%
Output Short Circuit Protect	Yes	Yes
Input Connector	Cigarette Plug	Cigarette Plug
Output Connector	5.5mm/2.5mm DC Plug	5.5mm/2.5mm DC Plug
Indicator	Output Green LED	Output Green LED
Dimensions LxWxH (mm)	150 x 40 x 43	150 x 40 x 43
Weight	200g	200g

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